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INTERNATIONAL SEARCHING AU	THORITY		2005	
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Seoul 135-080, Republic of Korea	an dong, itangnam-gu	INTERNAT	RITTEN OPINION OF THE TIONAL SEARCHING AUTHORITY	
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Applicant's or agent's file reference 04FKWM017		FOR FURTHER ACTION		
	·	_L	See paragraph 2 below	
International application No. PCT/KR2004/002631	International filing date		Priority date(day/month/year)	
	15 OCTOBER 200	04 (15.10.2004)	16 OCTOBER 2003 (16.10.2003)	
International Patent Classification (IPC IPC7 F24C 15/32	or both national classifica	ation and IPC		
IPC/ F24C 15/32				
Applicant				
LG ELECTRONICS, INC. et	al			
1. This opinion contains indications re				
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Box No. II Priority Box No. III Non-establish				
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Box No. IV Lack of unity	;		•	
Box No. V Reasoned state citations and ex	ment under Rule 43bis.1(a eplanations supporting suc	n)(i) with regard to nov h statement	elty, inventive step or industrial applicability;	
Box No. VI Certain docum		•		
Box No. VII Certain defect	ts in the international appli	cation		
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	d the chosen IPEA has not	i that this does not app	nsidered to be a written opinion of the ly where the applicant chooses an Authority Bureau under Rule 66.1 bis(b) that written	
If this opinion is, as provided above, IPEA a written reply together, where of Form PCT/ISA/220 or before the e For further options, see Form PCT/IS	expiration of 22 months fro		the applicant is invited to submit to the tion of 3 months from the date of mailing nichever expires later.	
6. For further details, see notes to Form	PCT/ISA/220.			
•	:			
Name and mailing address of the ISA/KR		Authorized officer		

Facsimile No. 82-42-472-7140

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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/KR2004/002631

Box No. I Basis of this opinion	•	• •			
With regard to the language, t which it was filed, unless other	his opinion has been owise indicated under	established on the b	asis of the international	application in th	ne language in
This opinion has been es	tablished on the basis	s of a translation fro	m the Original Janguage	into the Callery	•
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With regard to any nucleotid claimed invention, this opinion	e and/or amino aci has been established	id sequence disclose on the basis of:	ed in the international a	application and a	necessary to the
a. type of material		:			
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Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

Novelty (N)	Claims	1-21	ŕ	YES
	Claims		:	— NO
Inventive step (IS)	Claims	2, 5, 7-17, 20		YES
	Claims	1, 3, 4, 6, 18, 19, 21		NO
Industrial applicability (IA)	Claims	1-21		YES
	Claims			– NO

2. Citations and explanations:

Reference is made to the following documents:

D1: US 5,798,505 B D2: JP 7-151334 A

D1 discloses a microwave oven comprising a cooking cavity, an electric chamber and an air flow system including first air vents, second air vents, an air guide forming an exhaust passage, and exhaust holes formed on a rear plate.

The features of claims 1, 3, 18 and 19 are a cooking cavity, an electric chamber, intake holes, exhaust holes, an exhaust guide covering said exhaust holes, and exhaust passage holes formed on a back plate.

Comparing claims 1, 3, 18 and 19 with D1, it would be obvious to a person skilled in the art to derive claims 1, 3, 18 and 19 from D1.

The features of claims 4, 6 and 21 are characterized by said exhaust guide separated from the cavity and formed as two parts having different widths.

D2 discloses an exhaust duct separated from the cavity and formed as two parts having different widths, and it would be obvious to a person skilled in the art to combine the microwave oven of D1 comprising a cooking cavity, an electric chamber, and an air flow system including first air vents, second air vents and exhaust holes formed on a rear plate with the exhaust duct of D2, thereby arriving at the invention of claims 4, 6 and 21.

Therefore, claims 1, 3, 4, 6, 18, 19 and 21 lack an inventive step under PCT Article 33(3).